



King County

**ENGINEER I
SHORT-TERM TEMPORARY
DEPARTMENT OF TRANSPORTATION
ROAD SERVICES DIVISION
MAINTENANCE SECTION
Hourly Rate Range: \$24.57 – 31.15
Job Announcement: ENG I - STT
OPEN: 2/6/06 CLOSE: 2/10/06**

WHO MAY APPLY: This position is open to all qualified candidates.

WHERE TO APPLY: Required forms and materials **must** be sent to: **Roads Human Resources, Attn: Scott Bruns, 201 S Jackson St, MS KSC-TR-0313, Seattle, WA 98104.** Application materials must be received by **4:00 p.m.** on the closing date. (Postmarks are NOT ACCEPTED.)

PLEASE NOTE: Applications not received at the location specified above may not be processed.

FORMS AND MATERIALS REQUIRED: (A) [King County Application](#) (B) Resume (C) Cover Letter detailing your background and describing how you meet or exceed **each** of the **Required Qualifications - Knowledge, Skills, and Abilities.**

WORK LOCATION: 201 S Jackson St. downtown Seattle, WA 98104

WORK SCHEDULE: This position is non-exempt from the Fair Labor Standards Act and is overtime eligible. It works a 40-hour workweek; Monday through Friday.

PRIMARY JOB SUMMARY: The Engineer I position provides the field collection and processing of data for the KC Roads Maintenance's National Pollutant Discharge Elimination System (NPDES) and Road Network Inventory System (RNIS) programs. NPDES program will involve the investigation, assessment, and mapping (with GPS) of the KC Roads Maintenance drainage network. The RNIS program involves the collection and evaluation of KC Roads Maintenance roadway assets. This position will be part member of the KC Roads Maintenance Sections (RMS) Technology Unit's field data collection and mapping team. The position will perform feature investigation, assessment, and mapping for KC maintained drainage systems and roadway inventory. Specific duties and responsibilities include:

- The investigation, assessment, and inventory of KC Roads Maintenance drainage systems.
- To accurately determine orientation, location, and condition of KC Roads Maintenance drainage features.
- To determine runoff flow direction, basin boundaries, and identify the framework of drainage conveyance systems.
- To set up and use of field computers, GPS equipment, and various other surveying tools.
- To accurately record and map field data.
- To download and QA/QC field data, scan mapped images, and document daily work.

- To monitor work progress by using programs such as Excel, Access, and ArcMap.
- To participate in the annual Road Condition Rating and Macro-invertebrate sampling effort.
- To periodically facilitate the Environmental Unit's water quality sampling program.
- To effectively communicate with co-workers and supervisors regarding work assignments, project status, and job issues.
- To work as member of a 2 person team for a common objective effectively and efficiently.
- To work independently on smaller tasks as well as a support member for work groups in larger projects.
- To work in a manner that holds the public, work group, and individual safety in the highest regard.

REQUIRED QUALIFICATIONS - KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of enclosed drainage systems, maintenance, and construction.
- Experience in drainage investigation and evaluation.
- Skill in reading and interpreting engineering plans and designs.
- Experience in drawing detailed maps and keeping accurate field records.
- Experience in using field computers, GPS, and survey equipment.
- Knowledge computer applications such as Excel, Access, and ArcMap.
- Knowledge in ESA regulations and BMP's.
- Experience in road asset inventory.
- Experience in water quality sampling.
- Experience working in a team atmosphere.
- Experience working and completing with individual projects.
- Oral and written communications skills.
- Documentation and organizational skills.
- Problem-solving, planning, and leadership skills.
- Knowledge of safety requirements and regulations.

NECESSARY SPECIAL REQUIREMENTS:

- Valid Washington State Driver's License or the ability to travel throughout the County in a timely manner, including remote locations with limited or no public transportation services.
- An offer of employment will be contingent on the success of a pre-employment physical examination.
- Flagger Certification Card

UNION MEMBERSHIP: Positions in this classification are represented by I.F.P.T.E., Local 17.

CLASS CODE: 8507